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SEP 24 2004

OJ 650-833-2121  
PJ 650-833-2001

September 24, 2004

## FAX TRANSMISSION COVER SHEET

To:U.S. Patent and Trademark Office  
Attn.: Examiner BocureTelephone:Fax Number:

703-872-9306

From: Jenny Sung  
650-833-2121

Client-Matter Number: 2102462-991101

Re: VIRTUAL CHANNEL SATELLITE COMMUNICATION SYSTEM WITH IMPROVED  
BANDWIDTH EFFICIENCYPages: - 20 - (including this form) Originals:  will be mailed  will not be mailed  
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Fax Operator/Ext.

## Message:

Please see attached copies of the response to the office action originally sent September 11, 2003  
and faxed to you on May 19, 2004:

1. Transmittal Form (1 pg);
2. Response w/Request for Continued Examination (7 pgs);
3. Information Disclosure Statement w/Form PTO 1449 (3 pgs);
4. IDS References: 1 US Patent; 1 PCT International Search Report;
5. Fee Transmittal FY 2003 (1 pg);
6. Check #544039 for \$375.00;
7. Certificate of First Class Mail (1 pg); and
8. Return postcard.

## CONFIDENTIALITY NOTICE

This communication is ONLY for the person named above. Unless otherwise indicated, it contains information that is confidential, privileged or exempt from disclosure under applicable law. If you are not the person named above, or responsible for delivering it to that person, be aware that disclosure, copying, distribution or use of this communication is strictly PROHIBITED. If you have received it in error, or are uncertain as to its proper handling, please immediately notify us by collect telephone and mail the original to us at the above address. Thank you.

(Form Rev. 6/5/00)

USPTO 5/19/2004 1:54 PM PAGE 1/001 Fax Server  
 Auto-reply fax to 650 833 2001 COMPANY:

## Auto-Reply Facsimile Transmission



TO:  
 Fax Information  
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 Total Pages:

Fax Sender at 650 833 2001

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 Cover  
 Page  
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 8200 UNIVERSITY AVENUE  
 Encino Park, CA 91316  
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May 19, 2004

**FAX TRANSMISSION COVER SHEET**

To:	Telephone:	Fax Number:
U.S. Patent and Trademark Office Attn.: Examiner Secure		703-672-8806
From: Jerry Sung 650-833-2121	Client/Matter Number:	2102482-001101
VIRTUAL CHANNEL SATELLITE COMMUNICATION SYSTEM WITH DEPROVED REC BANDWIDTH EFFICIENCY		
Pages: 18 - (Including this form)	Originals: <input type="checkbox"/> will be mailed <input checked="" type="checkbox"/> will not be mailed	If there is a problem with this transmission, please call (650) 623-1048 Fax Operator/Ext.
Message: Please see attached copies of the following documents originally mailed September 11, 2003		
<ol style="list-style-type: none"> <li>Transmittal Form (1 pg);</li> <li>Response w/Request for Continued Examination (7 pg);</li> <li>Information Disclosure Statement w/Form PTO 1449 (3 pg);</li> <li>IDS References: 1 US Patent; 1 PCT International Search Report;</li> <li>Fee Transmittal FY 2003 (1 pg);</li> <li>Check #6444030 for \$375.00;</li> <li>Certificate of First Class Mail (1 pg); and</li> <li>Return postcard.</li> </ol>		

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(Form Rev. 9/2000)

PAGE 1/01 RCV'D AT 9/24/2004 1:51:28 PM [Eastern Daylight Time] SVR:USPTO-EFXRF-1/1\*DNIS:8729306\*CSID:650 833 2001\*DURATION (mm:ss):05:52

# COPY

Commissioner for Patents  
P.O. Box 1450, Mail Stop RCE  
Alexandria, VA 22313-1450  
Title: Virtual Channel Satellite Communication System With  
Improved Bandwidth Efficiency  
S/N: 10/039,632 Filed: 10/26/01 Docket #: 2102462-991101  
Mailing Date: September 11, 2003

Enclosed are:

1. Transmittal Form (1 pg.);
2. Response w/Request for Continued Examination (7 pgs);
3. Information Disclosure Stmt. W/PTO Form 1449 (3 pgs.);
4. IDS References: 1 U.S. Patent; 1 PCT Int'l Search Report;
5. Fee Transmittal FY 2003 (1 pg.);
6. Check # 544039 for \$375.00;
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8. Return postcard.

2102462-991101 (Virtual Satellite)  
22812/KJS

GRAY CARY WARE &amp; FREIDENRICH

401 B STREET, SUITE 2000 SAN DIEGO, CA 92101

CHECK NO.:

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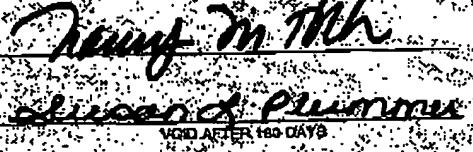
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DATE 09/10/03

AMOUNT OF CHECK  
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Edward J. Plummer

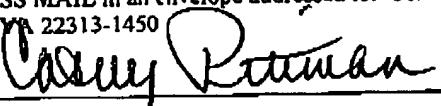
VOID AFTER 180 DAYS

Attorney Docket No. 2102462-991101

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

DATE OF MAILING: September 11, 2003

I hereby certify that this paper is being deposited with the United States Postal Service with sufficient postage as FIRST CLASS MAIL in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Mail Stop RCE, Alexandria, VA 22313-1450

  
\_\_\_\_\_  
Cathy Pittman

\* \* \*

CERTIFICATE OF MAILING

Commissioner for Patents and Trademarks  
Mail Stop RCE  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Transmitted herewith for filing under 37 CFR 1.53(b) are the following documents for the referenced application:

Applicant(s): Robert F. Friedman

Serial No.: 10/039,632

Group Art Unit: 2631

Filed: October 26, 2001

Examiner: T. Bocure

Title: SYSTEM AND METHOD FOR COMBINING MULTIPLE  
SATELLITE CHANNELS INTO A VIRTUAL  
COMPOSITE CHANNEL

Enclosed are:

- [1] Transmittal Form;
- [7] Response with Request for Continued Examination;
- [3] Information Disclosure Statement w/PTO Form 1449;
- [2] IDS References: 1 U.S. Patent; 1 PCT International Search Report;
- [1] Fee Transmittal FY 2003;
- [1] Check #544039 for \$375.00;
- [1] Certificate of First Class Mailing; and
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PTO/SB21 (08-00)

Please type a plus sign (+) inside this box Approved for use through 10/31/2002. OMB 0651-0031  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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# TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

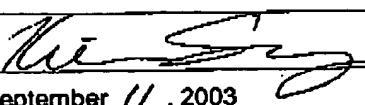
Total Number of Pages in This Submission

Application Number	10/039,632
Filing Date	October 26, 2001
First Named Inventor	Robert Friedman
Group Art Unit	2631
Examiner Name	T. Bocure
Attorney Docket Number	2102462-991101

## ENCLOSURES (check all that apply)

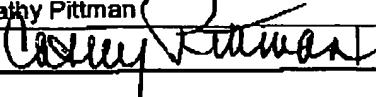
<input checked="" type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Assignment Papers (for an Application)	<input type="checkbox"/> After Allowance Communication to Group	
<input checked="" type="checkbox"/> Fee Attached	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences	
<input checked="" type="checkbox"/> Amendment/Reply	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)	
<input checked="" type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information	
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input type="checkbox"/> Status Letter	
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Terminal Disclaimer	<input checked="" type="checkbox"/> Additional Enclosure(s) (please identify below):	
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Request for Refund	IDS References: 1 US Patent, PCT Int'l Search Rpt for PCT/US02/29729	
<input checked="" type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> CD, Number of CD(s) _____	Response w/Request for Continued Examination (7 pgs); Check #544039 for \$375.00;	
<input type="checkbox"/> Certified Copy of Priority Document(s)	Remarks		Certificate of First Class Mail; Return postcard.
<input type="checkbox"/> Response to Missing Parts/ Incomplete Application			
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53			

## SIGNATURE OF APPLICANT, ATTORNEY OR AGENT

Firm or Individual name	K. JENNY SUNG (Reg. No. 47,639) Gray, Cary Ware & Freidenrich
Signature	
Date	September 11, 2003

## CERTIFICATE OF MAILING

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Typed or printed name	Cathy Pittman	Date	September 11, 2003
Signature			

Gray Cary\EM\7146136.1  
2102462-991101

PAGE 5/20 \* RCVD AT 9/24/2004 1:51:28 PM [Eastern Daylight Time] \* SVR:USPTO-EXRF-1/1 \* DNIS:8729306 \* CSID:650 833 2001 \* DURATION (mm:ss):05:52

## FEE TRANSMITTAL for FY 2003

Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

**TOTAL AMOUNT OF PAYMENT** (\$ 375.00)

Complete if Known	
Application Number	10/039,632
Filing Date	October 26, 2001
First Named Inventor	Friedman
Examiner Name	T. Bocure
Group Art Unit	2631
Attorney Docket No.	2102462-991101

### METHOD OF PAYMENT (check all that apply)

Check  Credit Card  Money Order  Other  None

Deposit Account Number **07-1696**  
Deposit Account Name **Gray Cary Ware & Freidenrich LLP**

The Commissioner is authorized to: (check all that apply)

Charge fees indicated below.  Credit any overpayments  
 Charge any additional fee(s) during the pendency of this application  
 Charge fee(s) indicated below, except for filing fee to the above-identified deposit account.

### FEE CALCULATION

#### 1. BASIC FILING FEE

Large Entity	Small Entity	Fee Description	Fee Paid
Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
1001 740	2001 370	Utility filing fee	
1002 330	2002 165	Design filing fee	
1003 510	2003 255	Plant filing fee	
1004 740	2004 370	Reissue filing fee	
1005 160	2005 80	Provisional filing fee	

**SUBTOTAL (1) (\$ 0.00)**

#### 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

	Extra Claims	Fee from below	Fee Paid
Total Claims	<input type="text"/> -20** = <input type="text"/> X <input type="text"/> = <input type="text"/>		
Independent Claims	<input type="text"/> -3** = <input type="text"/> X <input type="text"/> = <input type="text"/>		
Multiple Dependent	X <input type="text"/> = <input type="text"/>		

Large Entity	Small Entity	Fee Description	Fee Paid
Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
1202 18	2002 9	Claims in excess of 20	28
1201 84	2001 42	Independent claims in excess of 3	01
1203 280	2003 140	Multiple dependent claim, if not paid	
1204 80	2004 42	** Reissue independent claims over original patent	
1205 18	2005 9	** Reissue claims in excess of 20 and over original patent	

**SUBTOTAL (2) (\$ 0.00)**

\*\*or number previously paid, if greater. For Reissues, see above

### FEE CALCULATION (continued)

#### 3. ADDITIONAL FEES

Large Entity Small Entity

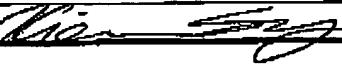
Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
1051 130	2051 65	Surcharge - late filing fee or oath	
1052 50	2052 25	Surcharge - late provisional filing fee or cover sheet	
1053 130	1053 130	Non-English specification	
1812 2,520	1812 2,520	Filing a request for ex parte reexamination	
1804 920*	1804 920*	Requesting publication of SIR prior to Examiner action	
1805 1,840*	1805 1,840*	Requesting publication of SIR after Examiner action	
1251 110	2251 55	Extension for reply within first month	
1252 400	2252 200	Extension for reply within second month	
1253 920	2253 460	Extension for reply within third month	
1254 1,440	2254 720	Extension for reply within fourth month	
1255 1,960	2255 980	Extension for reply within fifth month	
1401 320	2401 160	Notice of Appeal	
1402 320	2402 160	Filing a brief in support of an appeal	
1403 280	2403 140	Request for oral hearing	
1451 1,510	1451 1,510	Petition to institute a public use proceeding	
1452 110	2452 55	Petition to revive - unavoidable	
1453 1,280	2453 840	Petition to revive - unintentional	
1501 1,280	2501 640	Utility issue fee (or reissue)	
1502 460	2502 230	Design issue fee	
1503 620	2503 310	Plant issue fee	
1460 130	1460 130	Petitions to the Commissioner	
1807 50	1807 50	Processing fee under 37 CFR 1.17(q)	
1808 180	1808 180	Submission of Information Disclosure Stmt	
8021 40	8021 40	Recording each patent assignment per property (times number of properties)	
1809 740	2809 370	Filing a submission after final rejection (37 CFR § 1.129(a))	
1810 740	2810 370	For each additional invention to be examined (37 CFR § 1.129(b))	
1801 740	2801 370	Request for Continued Examination (RCE)	375
1802 900	1802 900	Request for expedited examination of a design application	

Other fee (specify)

- Reduced by Basic Filing Fee Paid

**SUBTOTAL (3) (\$ 375.00)**

Complete if applicable

Name (Print/Type)	K. Jenny Sung	Registration No. (Attorney/Agent)	48,639	Telephone	650-833-3121
Signature				Date	September 24, 2003